

**Amendments and Listing of the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (currently amended) A method of enabling ~~synchronisation~~synchronization of a first and a second signal, ~~the method comprising the steps of:~~

- deriving a first fingerprint (102) on the basis of a segment of the first signal (101), where the segment of the first signal (101) is unambiguously related with a first ~~synchronisation~~synchronization time point (Tn; Tn+1),
- deriving a second fingerprint (104) on the basis of a segment of the second signal (103), where the segment of the second signal (103) is unambiguously related with a second ~~synchronisation~~synchronization time point (Tn; Tn+1; Tm), and
- supplying the first and second fingerprints (102, 104) to a ~~synchronisation~~synchronization device (200, 300) ~~for synchronizing the first and the signal based on-~~ the first and second fingerprints.

2. (currently amended) A method according to claim 1, ~~characterized in that the method further comprises~~wherein for each given ~~synchronisation~~synchronization time point (Tn; Tn+1; Tm) ~~performing at least one of: [,]~~ storing the derived first fingerprint (102) in a database (203) ~~and/or~~ storing the derived second fingerprint (104) in the same or another database (203).

3. (currently amended) A method according to claim 1, ~~characterized in that~~wherein the first fingerprint (102) and the second fingerprint (104) are transmitted to the ~~synchronisation~~synchronization device (300) via the Internet or via other means.

4. (currently amended) A method according to claim 1, ~~characterized in that~~wherein at least one the segment of the first signal (101) ~~and/or~~ and the segment of the second signal (103) are unambiguously related with ~~at least one of~~ the first ~~and/or~~ and second ~~synchronisation~~synchronization time point (Tn; Tn+1; Tm) according to:

at least one of the segment of the first signal (101) and/orand the segment of the second signal (103) ending substantially at least one of the first and/or and second synchronisationsynchronization time point (Tn; Tn+1;Tm),

- at least one of the segment of the first signal (101) and/or and the segment of the second signal (103) starting substantially at least one of the first and/or and second synchronisationsynchronization time point (Tn; Tn+1;Tm),

- at least one of the segment of the first signal (101) and/or and the segment of the second signal (103) starting or ending at a predetermined distance before or after the least one of the first and/or and second synchronisationsynchronization time point (Tn; Tn+1;Tm), or

at least one of the first and/or and second synchronisationsynchronization time point (Tn; Tn+1;Tm) being at a predetermined time point between a start and an end of the segment of at least one of the first signal (101) and/orand the segment of the second signal (103).

5. (currently amended) A method according to claim 1, ~~characterized in that~~wherein the first (Tn; Tn+1) and second synchronisationsynchronization time point (Tn; Tn+1;Tm) is the same.

6. (currently amended) A method according to claim 1, ~~characterized in that~~wherein the first synchronisationsynchronization time point (Tn; Tn+1) is different from the second synchronisationsynchronization time point (Tn; Tn+1;Tm) and in that the method further comprises:

~~the step of~~ storing a first representation of a relationship between the first synchronisationsynchronization time point (Tn; Tn+1) and a first time point of a reference time (107) and storing a second representation of a relationship between the second synchronisationsynchronization time point (Tn; Tn+1;Tm) and a second time point of said reference time (107).

7. (currently amended) A method according to claim 4 6, characterized in that the method further comprises the steps of at least one of:

- transmitting at least one of the first representation and/or and second representation to a synchronisation device(300), and/or
- transmitting at least one of the first and/or and second representation to a server(600) in communications connection with a synchronisation device(300), and/or
- transmitting the one or more derived first fingerprints(102) and second fingerprints (104) to the server(600).

8. (currently amended) A method of synchronising two or more signals, the method comprising the steps of:

- generating a first fingerprint stream (105) on the basis of a first signal(101),
- generating a second fingerprint stream (106) on the basis of a second signal(103),
- comparing a segment of the first fingerprint stream (105) with one or more first fingerprints (102) stored in at least one database (203) in order to determine if a match exists or not,
- comparing a segment of the second fingerprint stream (106) with one or more second fingerprints (104) stored in the at least database (203) in order to determine if a match exists or not, and
- if a match exists for both a first and a second fingerprint (102; 104) determining a location of a first synchronisation time point ( $T_n$ ,  $T_{n+1}$ ) for the first signal (101) and a location of a second synchronisation time point ( $T_n$ ,  $T_{n+1}; T_m$ ) for the second signal (103) and synchronising the first (101) and the second (103) signal using the determined locations.

9. (currently amended) A method according to claim 8, characterized in that the step of synchronising wherein synchronizing comprises: delaying either the first (101) or the

second (103) signal by an amount equal to a difference, if any, between the location of the first ~~synchronisation~~synchronization time point (Tn, Tn+1) for the first signal (101) and the location of the second ~~synchronisation~~synchronization time point (Tn, Tn+1;Tm) for the second signal (103).

10. (currently amended) A method according to claim 8, ~~characterized in that~~wherein the location of at least one of the first and/orand the second ~~synchronisation~~synchronization time point (Tn, Tn+1;Tm) for the first/and the second signal (101, 103) are given by an unambiguous relation with at least one of a segment of a first signal (101) ~~and/orand~~ a segment of a second signal (103) used during generation of the matching first fingerprint (102) and of the matching second fingerprint (104).

11. (currently amended) A method according to claim 8, ~~characterized in that~~wherein the first and second ~~synchronisation~~synchronization time point (Tn; Tn+1;Tm) is the same.

12. (currently amended) A method according to claim 8, ~~characterized in that~~wherein the first and second ~~synchronisation~~synchronization time point (Tn; Tn+1;Tm) is different and in that the method further comprises:

- if a match exists for both a first and a second fingerprint (102; 104)
- obtaining a first representation of a relationship between the first ~~synchronisation~~synchronization time point (Tn; Tn+1) and a first time point of a reference time (107),
  - obtaining a second representation of a relationship between the second ~~synchronisation~~synchronization time point (Tn; Tn+1;Tm) and a second time point of said reference time(107), and
  - using the first and second time points of said reference time (107) to ~~synchronise~~synchronize the first (101) and the second signal(103),
  - instead of

- determining, if a match exists for both a first and a second fingerprint (102; 104), a location of a first ~~synchronisation~~synchronization time point (Tn, Tn+1) for the first signal (101) and a location of a second ~~synchronisation~~synchronization time point (Tn, Tn+1;Tm) for the second signal (103) and ~~synchronising~~synchronizing the first (101) and the second (103) signal using the determined locations.

13. (currently amended) A method according to claim 12, characterized in that ~~wherein~~ the method further comprises ~~the steps of~~ at least one of:

- receiving at least one of the first and/or second representation in a ~~synchronisation~~synchronization device (300) from a server (600) in communications connection with the ~~synchronisation~~synchronization device (300), and/or
  - receiving the one or more first fingerprints (102) and second fingerprints (104) from the server (600).

14. (currently amended) A method according to claim 1, characterized in that ~~wherein~~ said first signal (101) is an audio signal, said second signal (103) is a video signal, said first fingerprint (102) is an audio fingerprint, and said second fingerprint (104) is a video fingerprint.

15. (currently amended) A device (200) for ~~synchronising~~synchronizing at least two signals, the device comprising:

a fingerprint generator (202) adapted to:

- ~~to derive~~ deriving a first fingerprint (102) on the basis of a segment of a first signal (101), where the segment of the first signal (101) is unambiguously related with a first ~~synchronisation~~synchronization time point (Tn; Tn+1), and
  - ~~to derive~~ to derive a second fingerprint (104) on the basis of a segment of a second signal (103), where the segment of the second signal (103) is unambiguously related with a second ~~synchronisation~~synchronization time point (Tn; Tn+1;Tm).

16. (currently amended) A device according to claim 15, characterized in that wherein the device further comprises at least one database (203) having stored at least one of the derived first fingerprint (102) and/or and the derived second fingerprint (104) for each given synchronisation synchronization time point (Tn; Tn+1;Tm).

17. (currently amended) A device according to claim 15, characterized in that wherein the device further comprises a transmitter (204) for transmitting the one or more derived first fingerprints (102) and second fingerprints (104) in the at least one database (203) to a synchronisation synchronization device (300) via the Internet or via other means.

18. (currently amended) A device according to claim 15, characterized in that wherein at least one of the segment of the first signal (101) and/or and the segment of the second signal (103) are unambiguously related with at least one of the first and/or and second synchronisation synchronization time point (Tn; Tn+1;Tm) according to:

- at least one of the segment of the first signal (101) and/or and the segment of the second signal (103) ending substantially at least one of the first and/or and second synchronisation synchronization time point (Tn; Tn+1;Tm),
- at least one of the segment of the first signal (101) and/or and the segment of the second signal (103) starting substantially at least one of the first and/or and second synchronisation synchronization time point (Tn; Tn+1;Tm),
- at least one of the segment of the first signal (101) and/or and the segment of the second signal (103) starting or ending at a predetermined distance before or after at least one of the first and/or and second synchronisation synchronization time point (Tn; Tn+1;Tm), or
- at least one of the first and/or and second synchronisation synchronization time point (Tn; Tn+1;Tm) being at a predetermined time point between a start and an end of the segment of at least one of the first signal (101) and/or and the segment of the second signal (103).

19. (currently amended) A device according to claim 15, characterized in that wherein the first synchronisationsynchronization time point (Tn; Tn+1) and the second synchronisationsynchronization time point (Tn; Tn+1;Tm) is the same.

20. (currently amended) A device according to claim 15, whereincharacterized in that the first synchronisationsynchronization time point (Tn; Tn+1) is different from the second synchronisationsynchronization time point (Tn; Tn+1;Tm) and in that the device comprises the means adapted to store a first representation of a relationship between the first synchronization time point (Tn; Tn+1) and a first time point of a reference time (107) and store a second representation of a relationship between the second synchronisationsynchronization time point (Tn; Tn+1;Tm) and a second time point of said reference time (107).

21.(currently amended) A device according to claim 20, whereincharacterized in that the device further comprises at least one of:

- a transmitter (204) for transmitting at least one of the first and/or and second representation to a synchronisationsynchronization device (300), and/or
- a transmitter (204) for transmitting at least one of the first and/or and second representation to a server (600) in communications connection with a synchronisationsynchronization device (300), and/or and
  - a transmitter (204) for transmitting the one or more derived first fingerprints (102) and second fingerprints (104) to the server (600).

22. (currently amended) A synchronisationsynchronization device (300) for synchronisingsynchronizing two or more signals, the device comprising:

- means (302) for generating a first fingerprint stream (105) on the basis of a first signal (101),
- means (302) for generating a second fingerprint stream (106) on the basis of a second signal (103),

- means (302) for comparing a segment of the first fingerprint stream (105) with one or more first fingerprints (102) stored in at least one database (203) in order to determine if a match exists or not,

- means (302) for comparing a segment of the second fingerprint stream (106) with one or more second fingerprints (104) stored in the at least one database (203) in order to determine if a match exists or not, and

- means (302) for, if a match exists for both a first and a second fingerprint (102; 104), determining a location of a first synchronisation time point (Tn; Tn+1) for the first signal (101) and determining a location of a second synchronisation time point (Tn; Tn+1; Tm) for the second signal (103) and means (303) for synchronising the first (101) and the second (103) signal using the determined locations.

23. (currently amended) A device according to claim 22, wherein characterized in that the means (303) for synchronising is adapted to: delay either the first (101) or the second (103) signal by an amount equal to a difference, if any, between the location of the synchronisation time point (Tn; Tn+1) for the first signal (101) and the location of the synchronisation time point (Tn; Tn+1; Tm) for the second signal (103).

24. (currently amended) A device according to claim 22, wherein characterized in that the location of at least one of the first and/or second synchronisation time point (Tn; Tn+1; Tm) for at least one of the first and/or second signal (101, 103) are given by an unambiguous relation with at least one of a segment of a first signal (101) and/or a segment of a second signal (103) used during generation of the matching first fingerprint (102) and of the matching second fingerprint (104).

25. (currently amended) A device according to claim 22, wherein characterized in that the first and second synchronisationsynchronization time point (Tn; Tn+1;Tm) is the same.

26. (currently amended) A device according to claim 22, wherein characterized in that the first and second synchronisationsynchronization time point (Tn; Tn+1;Tm) is different and in that the device further comprises:

- if a match exists for both a first and a second fingerprint (102; 104),
- a receiver (204) for obtaining a first representation of a relationship between the first synchronisationsynchronization time point (Tn; Tn+1) and a first time point of a reference time (107),
  - a receiver (204) for obtaining a second representation of a relationship between the second synchronisationsynchronization time point (Tn; Tn+1;Tm) and a second time point of said reference time (107), and
    - synchronisationsynchronization means (303) for using the first and second time points of said reference time (107) to synchronisesynchronize the first (101) and the second signal (103),
      - instead of comprising
      - means (302) for, if a match exists for both a first and a second fingerprint (102; 104), determining a location of a first synchronisationsynchronization time point (Tn; Tn+1) for the first signal (101) and determining a location of a second synchronisationsynchronization time point (Tn; Tn+1;Tm) for the second signal (103) and means (303) for synchronising synchronize the first (101) and the second (103) signal using the determined locations.

27. (currently amended) A device according to claim 26, wherein characterized in that the device further comprises at least one of:

- a receiver (204) for receiving at least one of the first and/or and second representation in a synchronisationsynchronization device (300) from a server (600) in

communications connection with the ~~synchronisation~~synchronization device (300),  
and/or and

- a receiver (204) for receiving the one or more first fingerprints (102) and second fingerprints (104) from the server (600).

28. (currently amended) A device according to claim 15, ~~wherein characterized in that~~ said first signal (101) is an audio signal, said second signal (103) is a video signal, said first fingerprint (102) is an audio fingerprint, and said second fingerprint (104) is a video fingerprint.

29. (currently amended) A non-transitory computer readable medium having stored thereon instructions for causing one or more processing units to execute the method according to claim 1.